

# Notice of Allowability

Application No.

09/586,571

Examiner

Jason E. Mattis

Applicant(s)

WEBSTER ET AL.

Art Unit

2616

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to the Amendment filed 3/28/07.
2. ☒ The allowed claim(s) is/are 1, 3-7, 9-20, 22-32, 34-36, 38-44, 46-49 renumbered as claims 1-17, 19-32, 34-42, 18, 33, and 43 respectively.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☐ All b) ☐ Some\* c) ☐ None of the:
    1. ☐ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
  - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
    - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
  - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

## Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO/SB/08),  
Paper No./Mail Date 1 paper
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☒ Interview Summary (PTO-413),  
Paper No./Mail Date 7/17/07
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_

### DETAILED ACTION

1. This Office Action is in response to the Amendment filed 3/28/07. Claims 1, 2-7, 9-20, 22-32, 34-36, 38-44, and 46-49 are currently pending in the application.

### EXAMINER'S AMENDMENT

2. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Daniel McClure on 7/17/07.

The application has been amended as follows:

#### **IN THE CLAIMS:**

On line 3 of claim 20, a "," (comma) and the word "**each**" has been added between the word "**packets**" and the word "**with**" and the phrase "**including first and second portions**" has been added between the word "**configuration**" and the ";" semicolon, such that line 3 of claim 20 now reads as follows:

"a transmitter configured to transmit packets, **each** with a dual configuration **including first and second portions**;"

On line 8 of claim 20, the phrase **"the dual packet configuration including first and second portions,"** has been deleted and has been replaced by the phrase **"another mode in which"**, such that line 8 of claim 20 now reads as follows:

**"another mode in which the first"**

On line 9 of claim 20, the word **"is"** has been added between the words **"portion"** and **"modulated"** and the word **"method"** has been deleted and has been replaced by the word **"technique"**, such that line 9 of claim 20 now reads as follows:

**"portion is modulated solely according to a serial modulation technique  
and the second"**

On line 10 of claim 20, the word **"is"** has been added between the words **"portion"** and **"modulated"** and the word **"method"** has been deleted and has been replaced by the word **"technique"**, such that line 10 of claim 20 now reads as follows:

**"portion is modulated solely according to a parallel modulation technique,  
wherein the parallel"**

On line 11 of claim 20, the word **"method"** has been deleted and has been replaced by the word **"technique"**, such that line 11 of claim 20 now reads as follows:

**"modulation technique is orthogonal frequency division multiplexing  
(OFDM)."**

On line 3 of claim 36, the phrase “**operating in a first mode, including**” has been added before the word “**modulating**”, such that line 3 of claim 36 now reads as follows:

“**operating in a first mode, including** modulating a first portion of each packet solely according to a serial modulation;”

***Allowable Subject Matter***

3. Claims 1, 3-7, 9-20, 22-32, 34-36, 38-44, and 46-49 are allowed.

4. The following is an examiner’s statement of reasons for allowance:

Independent claims 1, 20, and 36 are allowable since none of the prior art of record discloses or renders obvious the claim limitation of transmitting a packet including a first portion modulated solely according to a serial modulation and a second portion modulated solely according to a parallel modulation that comprises OFDM.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled “Comments on Statement of Reasons for Allowance.”

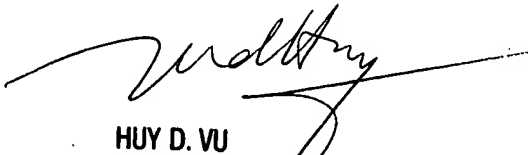
**Conclusion**

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jason E. Mattis whose telephone number is (571) 272-3154. The examiner can normally be reached on M-F 8AM-5:30PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Huy Vu can be reached on (571) 272-3155. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

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